



Paul Helliker
Director

Department of Pesticide Regulation



Arnold Schwarzenegger
Governor

California Notice 2004-4

POST UNTIL April 23, 2004

NOTICE OF DECISION TO BEGIN REEVALUATION OF PESTICIDE PRODUCTS CONTAINING CHLORPYRIFOS

Pursuant to Article 8, Subchapter 1, Chapter 2, Division 6 of Title 3 of the California Code of Regulations, the Director of the Department of Pesticide Regulation (DPR) notices his decision to begin a reevaluation of certain pesticide products containing chlorpyrifos. Interested persons may comment on this decision up to and including the date shown on the top-right corner of this notice to the Department of Pesticide Regulation, Pesticide Registration Branch, 1001 I Street, P.O. Box 4015, Sacramento, California 95812-4015.

REEVALUATION

DPR is beginning a reevaluation of the pesticide products listed below. The products included in this reevaluation are agricultural use insecticides that contain the active ingredient chlorpyrifos.

Registrant

Brand Name

U.S. EPA Reg. No.

The Andersons Lawn Fertilizer

Andersons Golf Products Insecticide III
9198-167-AA

Cheminova Inc.

Nufos 15G
67760-14-AA

Nufos 4E
67760- 28-AA

Dow Agrosciences LLC

Dursban 4E Insecticide
62719-11-AA

Dursban 1/2G Granular Insecticide
62719-14-AA

Lorsban 15G Granular Insecticide
62719-34-AA

Lorsban 15G Granular Insecticide
62719-34-ZA



<u>Registrant</u>	<u>Brand Name</u> <u>U.S. EPA Reg. No.</u>
Dow Agrosciences LLC (con'd)	Dursban Turf Insecticide 62719-35-ZA
	Lorsban 50W Wettable Powder Insecticide 62719-39-AA
	Dursban 2E Insecticide 62719-65-AA
	Dursban 2E 62719-65-ZA
	Dursban 50W Insecticide 62719-68-AA
	Dursban 50W In Water Soluble Packets 62719-72-ZA
	Lock-On Insecticide 62719-79-AA
	Lock-On Insecticide 62719-79-ZA
	Dursban Pro 62719-166-ZA
	Equity 62719-167-ZB
	Dursban 1G Insecticide 62719-210-ZA
	Lorsban 4E-HF 62719-220-AA
	Lorsban-4E 62719-220-ZA

<u>Registrant</u>	<u>Brand Name</u> <u>U.S. EPA Reg. No.</u>
Dow Agrosciences LLC (con'd)	Lorsban-4E 62719-220-ZB
	Lorsban 50W In Water Soluble Packets 62719-221-ZA
	Lorsban 4E-SG 62719-245-AA
	Dursban 4E-N 62719-254-AA
	Dursban 2.5G 62719-276-AA
Drexel Chemical Company	Drexel Chlorpyrifos 4E-AG 66222-19-AA-19713
Gowan Company	Lorsban 50-W 62719-221-AA-10163
Luxembourg-Pamol, Inc.	Dorsan 2E 42519-20-AA
	Dorsan 4E 42519-21-AA
Makhteshim-Agan of North	Chlorpyrifos 4E AG 66222-19-AA
Micro-Flo Company	Chlorpyrifos Pro 2 51036-152-AA
	Chlorpyrifos Pro 4 51036-154-AA
	Chlorpyrifos 4E AG 51036-291-AA

<u>Registrant</u>	<u>Brand Name</u> <u>U.S. EPA Reg. No.</u>
Micro-Flo Company (con'd)	Chlorpyrifos 4E AG 66222-19-AA-51036
Prentiss Incorporated	Prentox Dursban 2E Insecticide 655-466-AA Prentox Dursban 4E Insecticide 655-499-AA
United Horticultural Supply	United Horticultural Supply Professional Turf Products Dursban TNP 34704-66-ZA-65783
Whitmire Micro-Gen Research Labs., Inc.	Prescription Treatment Brand Duraguard ME Microencapsulated Insecticide 499-367-ZA Prescription Treatment Brand Duraplex TR Micro Total Release Insecticide 499-405-AA

BASIS OF REEVALUATION

Approximately thirty California water bodies are on the current Federal Clean Water Act (CWA) section 303(d) list of water bodies where water quality is limited due to the presence of chlorpyrifos at levels that violate narrative water quality objectives to prohibit toxicity to aquatic life. The San Joaquin and Merced Rivers, and the Sacramento/San Joaquin River Delta are among the listed water bodies. Agricultural uses of chlorpyrifos have been identified as the principal source of chlorpyrifos in these water bodies.

California's Regional Water Quality Control Boards (RWQCBs) are developing total maximum daily load (TMDL) values for chlorpyrifos for various water bodies on the CWA section 303(d) list. Consistent with procedures used to develop TMDLs for other toxic constituents, the RWQCBs will probably base chlorpyrifos TMDLs on the California Department of Fish and Game's (DFG) water quality criteria (WQC) for the protection of aquatic life. (DFG's acute toxicity WQC for chlorpyrifos is 0.02 µg/L [one-hour average]; the WQC for chlorpyrifos chronic toxicity is 0.014 µg/L [four-day average].)

In 2002 and 2003, DPR and the Central Valley Regional Water Quality Control Board (CVRWQCB) collected chlorpyrifos monitoring data from rivers and tributaries of the San Joaquin Valley, the Sacramento/San Joaquin Delta, and Monterey County tributaries. The data revealed numerous chlorpyrifos detections at levels that exceeded DFG's WQC, and therefore, may harm aquatic invertebrates. DPR and the CVRWQCB have determined that a reduction in chlorpyrifos loading will be needed to meet the proposed TMDL target values. Therefore, DPR placed all agricultural use products containing chlorpyrifos into reevaluation.

Pursuant to this reevaluation, chlorpyrifos registrants are required to: (1) identify the processes by which chlorpyrifos pesticide products are contributing to detections of chlorpyrifos in surface water at levels that exceed DFG's WQCs; and (2) identify mitigation strategies that have been shown to reduce or eliminate chlorpyrifos residues in surface water in scientifically valid studies.

For information regarding this reevaluation, please contact Ms. Ann Prichard, Senior Environmental Research Scientist, Pesticide Registration Branch, by e-mail at aprichard@cdpr.ca.gov or by telephone at (916) 324-3931.

Original signed by Barry Cortez

March 11, 2004

Barry Cortez, Chief
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Date

cc: Ms. Ann Prichard